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Dahlias the Popular Fad of the Day

Ease of Culture Readily Wins Popular Favor-A Treatise on This Most Wonderful Outdoor Flower.

By WARREN W. MAYTROTT, Vineland, N. J.

We are now entering the era of the dahlia fad, which is fast surpassing that of all other flowers. The fanciers and flower lovers of the day are turning to this wonderful flower, realizompetitions to the fact of the day of the followers of the day are turning to the followers of the day of the followers of the

It also plays a big part in nature's work, and will prove a source of delight

wors, and win prove a source of cargonia in your own garden.

The selection of the best and most satisfactory varieties is indeed a puzzling question for the amateur and professional with the thousands of varieties catalogued. It is not necessary or adsional with the thousands of varieties catalogued. It is not necessary or advisable for the anateur just starting with dahlias to buy the high-priced varieties of today ranging from \$5 to \$25 and \$50, neither is it best to buy anything at all just because it is cheap and trust to culture alone, as much of your success depends upon good healthy stock.

stock.

It is needless to give a lengthy description of the novelties and standard varieties which are illustrated and described in the many dahlia catalogues issued and will gladly be sent upon re-

After years of experience the following After years of experience the following artide may solve a few cultural problems. An endeavor will be made to explain each phase of the culture as carefully as possible, but the directions and suggestions should be changed to suit the location, fertility of the soil and climatic conditions. However, I believe the theories in general will hold good.

Preparation of the Soil.

resparator or the SOII.

Dalhias will grow well in almost any kind of soil from a light sandy leam to a stony clay. They should be planted where they will have at least three or four hours of susshine each day, and out under a tree or in the tree roots which use much of the moisture and plant food.

tour nours of sunshme each day, and not under a tree or in the tree roots which use much of the moisture and policy of the sessitial need is drainage. Sandy loam needs no consideration in this respect, but heavy soils do. If the ground is very sticky when wet and slow to drain it will be greatly improved by digging it at least 18 inches deep and interpretation of the session of



DILLIE

VINELAND, N.J.

Fertilizing.

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Apply broadcast on top of the soil and mix well in the surface one pound fine raw bonemeal, one to two pounds unleached wood ashes or one-fifth pound muriate of potash (not both) to every 20 square feet or equivalent to we will be show moss in a wet speel apply one pound of lime to every 20 square feet, although the lime will not hurt the soil if it is not really needed.

The above preparation should be completed a week or more before planting. I failed to assist you in this. Allow to drain thoroughly before planting the roots.

Fertilizing as above directed will supply the dahlia's needs well through the summer. See additional fertilizing.

When to Plant. When to Plant.

One of the most common errors in the culture of dahlias is too early planting. In the latitude of Philadelphia dahlias should never be planted before May 15, the first two weeks of June being preferable. Farther north, where the hot spells in July and August are less harmful and early frosts are prevalent, plant as soon as danger of frost is over.

Dividing Roots.

If dablin roste a not show sprouts by the beginning of May and are partially dried or shrived place then in a cool or shady place and cover with moist drit or sand. When sprouts appear the roots are ready for dividing and planting. If sprouts are over six inches long the street of eyes are around the crown

Planting.

Planting.

Dahlia roots should be planted in a trench or hole six inches deep, laid flat down (not on end) and covered with earth not over two inches in depth, filling in as the plant develops. Do not plant the roots in or over any quantity of compost or hot manure.

The rows should be from four to five The rows should be from four to or to from two to three feet apart; or from six to ten square feet should be allowed for each plant in garden culture.

Let wor, eagen is, infested with cut

Cut Worms.

If your garden is infeated with cut worms, which is usually the case in an old sod, an application of the following mixture scattered over the infested area after planting the roots, or before setting growing plants, will be found very effective: One pint water, one pint molasses or brown sugar, one teaspoonful enough wheat bran to make a reasonably dry mash.

Cultivation.

Work and weeds are a blessing to mankind, but few of us look at it that way. Although I am not recommend-

ing the scwing of weed seed in the cul-ture of dahlias, I am sure our gardens and fields would not be cultivated and stirred as frequently were it not for the fear of weeds. What healthier and more enjoyable

pastime can anyone have than caring for a few dahlias that will respond so readily to a little care and will more than reward you for your special attention, as outlined in this article?

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Thorough cultivation is of the utmost importance, and if properly done eliminates much of the need of irrigation.

Cultivate at least once a week, and can be worked without becoming lumpy. Work the ground rather deep all over at first. This brings air into the soil, which is very beneficial to plant growth. As the plant develops and the roots come toward the surface the ground the lift of the plant for the soil, which is very beneficial to plant growth. Still work the balance of the ground rather deep and bring some fresh soil to the plant at each beeing, giving the plant a new supply of food and protecting the surface roots from the heat of urmore inches by the middle of September. Do not think it is necessary to grow a dahlia stalk in a crater so it can be watered, as the feed roots radiate from the ends of the tubers, and as a rule are from 10 to 15 inches from the stalk.

Irrigation.

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I religation.

I believe there is more difference of opinion with that any other, present to watering the property of the pro

Irrigation in the Heat of the Day.

Irrigation in the Heat of the Day. Opinion varies on this phase also, but judge for yourself as to the health of the plant. It is a recognized fact that sprinkling in the heat of the day will cause the flowers to scald, as the sun's rays are focused by the drops of water and burn the petals. In bright sunlight, with the mercury at 120 degrees, which is a bot uncommon, spray the which is not uncommon to the spray that the whole neighborhood would be aroused. Should be dead to the spray the plant could be descended and the spray that the whole neighborhood would be aroused. Should be descended and the spray that the

Pruning and Disbudding.

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The first step in pruning and disbudding is to stept you used, and disbudding is to stept you used, and the right form. With an apple tree you would cut off the side branches until the tree was high enough to head and allow to develop only the branches that will make a shapely tree, but with a dabilia a bush is preferable, although some people grow to grow so many in a small yard that the only place to bloom is on top, so up they go, the survival of the strongest. To get a bush allow only one stalk to grow (never more than two). Pinch to 12 inches high. This will throw the strength into the next two lower eyes. These will make themselves very evident in surprisingly short time, and these

to 12 inches high. This will throw the strength into the next two lower eyes. These will make themselves very evident in the second of the sec

Excessive Branching

Excessive Branching.
Some varieties, such as Pierrot, Crystal and Francis White, branch to excess and, instead of pinching out more than six shoots allowed to continue that six shoots allowed to continue than six shoots allowed to continue that six shoots allowed to continue that six shoots allowed to continue that the same should be thinned out again. If you have not tried thinyou will be surprised with the results It does a dahlin bush no harm to take out one-fourth to a third of the bash at an immber of new shoots to start, only making matters worse instead of better Additional Earthlighten.

Additional Fertilizing.

Additional Fertilizing.

If we knew just what our soil contained and the amounts of each element the plants required, fertilizing would be the easiest of all our studies, but in general it is more a matter of theory than pounds and ounces.

The prime elements necessary for plant growth which are at least partially under our courted are hydrogen, nitrogen, placephoric acid and potassium.

Hydrogen has been a scussed in regard to drainage, and again under irrigation. Nitrogen has been partially dealt with in the recommendation of digging litter and compost into the subdigzing litter and compost into the sub-soil, also by a top dress, go fo bonemer soil, also by a top dress, go fo bonemer before planting time. These should gradually supply nitrogen throughout the season, but after the formed, a light top dressing of manure about one pound to two or three hills will increase the size of the flowers. Soft, an almormal bask growth flowers soft, an almormal bask growth the next season. Pulverized sheep to chicken manure is very desirable in dah lia forcing, as the nitrogen is available so readily, and the potash and phose phoric acid are a good addition at this time.

time.

It is really surprising how much nitrogen a plant will stand in the form of humus or manure if it is balanced will the right amount of hydrogen, phosphoric acid and potash.

the rigin amount or nyurogen, phosphortical and potan-acid and potan-wish produces a chemical article with is very quick in action starting in about two days, and is wel consumed in two weeks of hot weather. The results are strikingly similar to it person drinking whisky. It serves as a stimulant, not a food, However, there are times when a stimulant is essential but in dalifia culture where water is unitrogen from animal manures, which furnish food as well.

In manures, bone and humus the nitro gen is illegrated by the action of the

In manners, bone and himms the nitro gen is liberated by the action of the action of the soil or a form of decomposi-singly of the soil or a form of decomposi-singly of nitrogen, and the native which has not fully decomposed in one seasor will be held in the soil until the nex-year. This is the only form of nitrogen which holds in the soil from one year and the native that the soil of the soil of building the soil.

Phosphoric Acid.

Manure or compost if dug in the suc Manure or compost if dug in the sus-soil will contain some phosphoric acid but the bone top dressing should contain between 20 and 25 per cent, available phosphoric acid and the manure top in the suspension of the suspension of the suspension by the plant with at least two onness of available phosphoric acid, and as mucl more will be made available by the soil action. It is very essential to have plent of phosphoric acid, as it seems to back up the growth made by nitrogen. Heavy treeting of another in the properties of the properties of the properties of the properties of the balance it will grow immense busics. large soft flowers, but the tuber growth out the phosphore and and potters to balance it will grow immens bushes, large soft flowers, but the tuber growth will be very weak and poor from the lack of nourishment, all the strength baying been taken by the bushes. Potash.

Potash.

One to two pounds of unleuched woof ashes or one-lifth pound of muriate o potash to every 20 square feet, along with the 1 per cent, potash in the manure should supply about three-fourths of an ounce of available potassian per plant, or 200 pounds see area. This will give color to the flowers, a dark green teather follows, and a suiter than the control of the potassian per plant, or 200 pounds see area. The amateur cannot expect a dalhir to come to its height of perfection if poorly cared for, as dalhias will run open centre and off color through no fault of the stock, if they are badly neglected.

Upon examination of the lower stem and tubers the second or middle skin is found to be discolored, streaked with brown, and the outer skin cracked, showbrown, and the outer skin cracked, show-ing brown in every crack. This I start-ed digging and destroying 15 years ago in my first new of daliblas. I did not the principle that one's time is much better spent taking care of the healthy bushes than musuage the sick. If this were practiced throughout the country we would have very little Mosaic rolay, lecrossing, showing that this discarding lecrossing, showing that this discarding as one percentage each year is decidedly becreasing, showing that this discarding is a successful way toward the eradica-tion of this disease. If the thip is very bad or the dahlius are neglected shey may appear to have Mosaic or they may even contract it.

Keep the plants healthy, clean and gorous, and your path will be strewn with dablias

Good varieties, healthy stock and the proper care are sure to give untold re-sults and pleasure

Thrip.

During the hot dry spells the thrip is always most active and the injury to the tender buds causes them to dry and die. Irrigation at this time seems to drive them off to some extent, also the healthier the bushes the less damage can be done.

The thrip can be killed by spraying with Black Leaf Forty and Whale Oil Soap at the prescribed proportions on the packages, only use both together, but the proposed of the proposed of the packages, only use both together, which is very hard to do, as they fly at the stray, which is very hard to do, as they fly at the least disturbance. When the weather becomes cooler they seem to disappear, and as the dahlias are not very good during the real bot weather their damage is only minor unless they pick out certain bushes and drain their vitality by sucking the squ. Then it is advisable to spray good, and then thin att the bushes to give them a new start.

The dahlia is not susceptible to the

The daldia is not susceptible to the avages of insects like other plants and a therefore of comparatively easy culture.

Cut Flowers.

In cutting dahlias, do not make the usual mistake of waiting until the flowers are fully open, but cut them with the centre yet to unfold. Cut in this way, the flowers should last at least a week with care. Some prefer to have all the buls and foliage remain on the boupon of the foliage are the flowers to with any distribution of the foliage are removed.

e physical action of a cut flower is

removel.

The physical action of a cut flower is to take water up into the stem which evaporates through the flowers and foliage. The slower this action of evaporates through the flowers and foliage. The slower this action feveral contains of transpiration takes place the contains a contain of the slower should be cut in the evening. Flowers should be cut in the evening or early morning, and immediately put in water in a cool, dark place for an hour or two before being arranged in the house. Should you wish to send them to your friends, leave in water them to your friends, leave in water them to your friends, leave in water to corrugated pasteboard how linds in the corrugated pasteboard how linds in a wooden strip, sprinkle lightly and close up air-tight. Use a substantial in a wooden strip, sprinkle lightly and close up air-tight. Use a substantial package, packing the flowers so as to to the substantial package, packing the flowers so as to be found that the substantial package, packing the flowers should be wifted to the flower of the substantial package, packing the flower should be wifted to the substantial package, packing the flower should be wifted to the substantial package, packing the substantial package, packing the flower should be wifted to the substantial package and the substantial

hot water, not over an inch in depth; after water cools, if however are not suffi-ciently freshened, this can be repeated two or three times, by cutting off the discolored ends of the stems with a sharp knift, and placing them in hot water again. When fully freshened ent the stems and blace them in cold water, the stems and blace them in cold water, or the stems and clange water daily on my cut flower.

Digging and Storing.

Stantial root growth.

The animetre cannot expect a dashir to come to its height of perfection it poorly cared for, as dashias will run open centre and off color through no fault of the stock, if they are basily neglected.

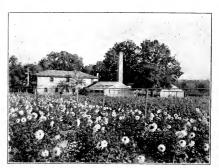
The disease most prevalent and worthy of well-depend on the source of the color of the tops are greated in the source of the stock, ican fault of the source of the source

heater. A cool moist cellar, one in which with potatoes keep well, will be very satisfactory for dablia roots. After the roots have been stored about a month, look them over, and if they show signs of drying m, cover them) below for page or fine coal assess, then wrap show signs of drying m, cover them) below for restriction.





FIELD OF BREAK O' DAY



DAHLIADEL NURSERIES